Communicated by Dr. Haijun Zhang

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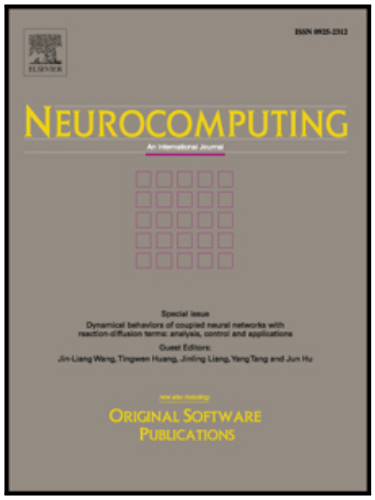

A new cluster tendency assessment method for fuzzy co-clustering in hyperspectral image analysis

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PII: S0925-2312(18)30449-1
DOI: 10.1016/j.neucom.2018.04.022
Reference: NEUCOM 19482

To appear in: *Neurocomputing*

Received date: 23 October 2017
Revised date: 23 February 2018
Accepted date: 13 April 2018

Please cite this article as: Nha Van Pham, Long The Pham, Thao Duc Nguyen, Long Thanh Ngo, A new cluster tendency assessment method for fuzzy co-clustering in hyperspectral image analysis, *Neurocomputing* (2018), doi: 10.1016/j.neucom.2018.04.022

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Highlights

- SACT is proposed to determine the suitable number of clusters and centroids.
- SHSI-IPD model is proposed to reduce the size of the input data of SACT.
- Experiments were conducted on the big data such as the hyperspectral images.
- The algorithms FCM, FCoC and IVFCoC were combined with SACT in experiments.
- Eight indicators are used to support cluster quality assessment of SACT algorithms.

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